PENGARUH PEMBERIAN *CRUDE CHLORELLA* TERHADAP EKSPRESI *INTERFERON-γ* DI *ILEUM* AYAM PETELUR YANG DISUNTIK VAKSIN *AVIAN INFLUENZA*

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ABSTRACT

The purpose of this study is to observe the development of interferon- γ expression at ileum's layer which has vaccinated with Avian Influenza and given crude *chlorella* supplementation. This research used completely random design with six treatments and each treatment repeated seven times. Treatments group consisted of low protein feed control, basal protein feed control, 2,5% crude *chlorella* supplementation in low protein feed, 2,5% crude *chlorella* supplementation in basal protein feed, 5% crude *chlorella* supplementation in low protein feed, and 5% crude *chlorella* supplementation in basal protein feed. The ileum's layer was collected after 24 weeks old. The expression of interferon-γ explored by immunohistochemical technique. The data were analyzed by Kruskal-Wallis One-Way Analysis of Variance By Rank used SPSS for windows 12. The result show that 5% crude *chlorella* supplementation in basal protein feed can increase the interferon-γ at ileum' layer that vaccinated by Avian Influenza.

Keyword : Chlorella, interferon-γ, ileum, Avian Influenza